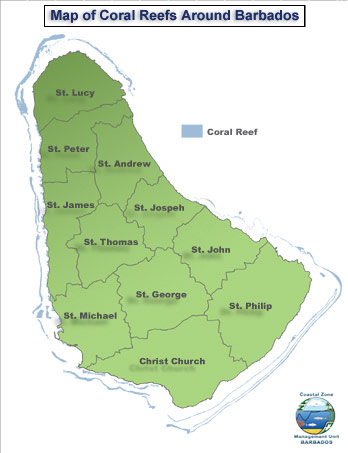
**Coastal Fieldtrip – Guidelines , follow up and assessment**

1. This trip is designed to help supplement what you have been learning in class.
2. This is meant to be both educational and enjoyable
3. It should help you gain a better understanding of your coastal environment and the issues relating to it.

**The trip is in two parts –**   
1. *Coastal issues and management on the West and South of Barbados*

2. *Coastal landforms, geology and processes on the East coast of Barbados*

**Stop 1 – Coastal Zone Management Unit (CZMU) – Meeting with Antonio Rowe**

Take notes from this meeting regarding aspects of what you think are most important (you will be writing this up later)

**Write meeting up as part of fieldwork journal.**

**Stop 2 – A look at some of the coastal management on the Boardwalk**

Take photos of this area and also take some water samples and any other data that you think might be useful.  
Annotate various coastal management photos to show everything you can about the type of management that is occurring, how it works and what its effects might be.

Fill in Bipolar assessments of the different types of management.

**Stop 3 – Holetown – Coral Reef Club**

Again – note the different types of management in the area and assess these according to what you think

We might be able to meet the management of the Club to discuss reasons for the current management that is being done.

Questionnaires of tourists?

**Stop 4 – Speightstown**

Brief look at some of the breakwaters in Port St Charles and see what they are for

**After Trip Assessed Write up:** *This section requires you to write an article for the* ***Coastal Zone Mangement Unit monthly newsletter****. In it you will be describing the challenges faced by the CZMU and how they responded to it in the South of the island and what plans are in place for the West in the Holetown area.  
(note you will have to go to* [*http://myp5.wikispaces.com*](http://myp5.wikispaces.com) *to find more information to help!*

**Section 2: *Coastal landforms, geology and processes on the East coast of Barbados***

**Stop 5 – Little Bay – St. Lucy**

Describe the processes at work here and the different landforms – you will need to be able to identify and annotate these also. What evidence is there here for differences in sea level over time.

**Stop 6: Cattlewash Area.**

Geology and Beach Profiling Stop.

1. **Task 1** – Find examples of quartz. This is a metamorphic rock only found in areas of volcanism.

How can you account for this being found here.

1. **Task 2 –** Take photos which you will annotate later to show evidence of stratification of rock. Also you will be wanting to show evidence of folding in your annotations as well as differential rates of erosion.

Beach Profiling.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Distance | Angle |  | Distance | Angle |
| Point 0-1 |  |  | Point 0-1 |  |  |
| 1-2 |  |  | 1-2 |  |  |
| 2-3 |  |  | 2-3 |  |  |
| 3-4 |  |  | 3-4 |  |  |
| 4-5 |  |  | 4-5 |  |  |

**Litter Count:** You will need to do this on a certain distance of beach which you will decide. How much do you think you should use. Why? Where on the beach will you do the count and why?

|  |  |
| --- | --- |
| Type of litter | Tally |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**After Trip Work:** Data Presentation and analysis

1. Use the results that you gained to create a profile of the beach and annotate it with information about where High tide mark is, the storm berm, the back of the beach, start of vegetation etc.
2. Graphically present your litter information in an interesting way.

**Please Note: If we are to have more field trips, it is essential to stay safe, listen to instructions and not mess around. This is especially true on the north and east coast where currents are bad.**